

Safety Data Sheet

Prepared in accordance with GHS standard
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II

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All other ingredients are non-hazardous within the current knowledge of the supplier and in the concentrations applicable.

Section 4: First-aid measures

Description of First Aid measures

General advice

First aid personnel should pay attention to their own safety. Remove contaminated clothing. As a general rule, in case of doubt, always call a doctor

If inhaled

After inhalation of dust. Keep patient calm, remove to fresh air.

If on skin

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

If in eyes

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Most important symptoms and effects, both acute and delayed

Symptoms

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards

No applicable information available.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5: Fire-fighting measures

Non-flammable

Suitable extinguishing media: All extinguishing agents can be used.

Specific extinguishing methods: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

Avoid breathing dust. Deny access to unprotected persons. Consult the safety measures listed under headings 7 and 8.

Environmental precautions: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Advice on safe handling: Do not breathe vapors/dust. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.

Conditions for safe storage: Prevent unauthorized access. Store in original bag. Keep in a well-ventilated place.

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Observe label precautions. Store in accordance with local regulations.

Materials to avoid: acids

Section 8: Exposure controls/personal protection

Component	CAS No	Reference**	Value	Exposure limits
Quartz (SiO ₂)	14808-60-7	ACGIH	TWA	0.025 mg/m ³ – respirable fraction
		OSHA Z-3	TWA	30 mg/m ³ / % SiO ₂ + 2 total dust
		OSHA Z-3	TWA	10 mg/m ³ / % SiO ₂ + 2 respirable
		OSHA Z-3	TWA	250 mppcf/m ³ /SiO ₂ +5 respirable
		OSHA P0	TWA	0.1 mg/m ³ respirable fraction
Quartz (SiO ₂) μm	14808-60-7	ACGIH	TWA	0.025 mg/m ³ – respirable fraction
		OSHA Z-3	TWA	30 mg/m ³ / % SiO ₂ + 2 total dust
		OSHA Z-3	TWA	10 mg/m ³ / % SiO ₂ + 2 respirable
		OSHA Z-3	TWA	250 mppcf/m ³ /SiO ₂ +5 respirable
		OSHA P0	TWA	0.1 mg/m ³ respirable fraction

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**Reference

ACGIH. Threshold Limit Values (TLV)

OSHA P0. Table Z-1, Limit for Air Contaminant (1989 Vacated Values)

OSHA Z3. Table Z-3, Mineral Dust

Engineering measures: Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other

engineering controls to keep worker exposure below any recommended or statutory limits.

Personal protective equipment

Respiratory protection: Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used. Hand protection

Remarks: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment. before entering eating areas.

Wash thoroughly after handling. Avoid breathing dust.

Section 9: Physical and chemical properties

Appearance:	powder
Color:	dark grey or white
Odor:	odorless
Odor Threshold:	no data available
Flash point:	not applicable
Ignition temperature:	not applicable
Decomposition temperature:	no data available
Lower explosion limit (Vol%):	no data available
Upper explosion limit (Vol%):	no data available

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Flammability (solid, gas):	no data available
Oxidizing properties:	not applicable
Auto-ignition temperature:	not applicable
pH:	not applicable
pH aqueous	10.5-11 (10% mixture with water)
Melting point/range:	no data available
Freezing point:	not applicable
Boiling point/boiling range:	not applicable
Vapor pressure:	not applicable
Specific density:	ca.2.9 -3.0 g/cm ³
Water solubility:	insoluble
Viscosity, dynamic:	no data available
Viscosity, kinematic:	no data available
Relative vapor density:	no data available
Evaporation rate:	not applicable
Burning rate:	not applicable
Volatile organic compounds (VOC) content:	0 g/l A+B combined

Section 10: Stability and reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: The product is chemically stable.

Possibility of hazardous reactions: stable under recommended storage conditions.

Conditions to avoid: no data available

Incompatible materials: no data available, none to our knowledge

Section 11: Toxicological information

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

Acute toxicity:

CEMENT, ALUMINA, CHEMICALS (CAS 65997-16-2)

Oral route: LD50>2000mg/kg

Species: Rat

OECD Guideline 401 (Acute Oral Toxicity)

Skin corrosion/skin irritation:

CEMENT, ALUMINA, CHEMICALS (CAS 65997-16-2)

Corrosivity: No observed effect.

Species: Rabbit

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/eye irritation:

Dust may cause slight irritation to the ocular mucous membranes due to the presence of a foreign body.

CEMENT, ALUMINA, CHEMICALS (CAS 65997-16-2)

Corneal haze: Average score<1

Species: Rabbit

Duration of exposure: 72h

OECD Guideline 405 (Acute Eye Irritation/ Corrosion)

Iritis: Average score<1

Species: Rabbit

Duration of exposure: 72h

OECD Guideline 405 (Acute Eye Irritation/ Corrosion)

Conjunctival redness: Average score<2

Species: Rabbit

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Duration of exposure: 72h
OECD Guideline 405 (Acute Eye Irritation/ Corrosion)
Conjunctival oedema: Average score<2
Species: Rabbit
Duration of exposure: 72h
OECD Guideline 405 (Acute Eye Irritation/ Corrosion)

Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Not classified
STOT-single exposure: Dust from this product may cause irritation to the respiratory tract.
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified

Section 12: Ecological information

Toxicity

Substances

CEMENT, ALUMINA, CHEMICALS (CAS 65997-16-2)

Fish toxicity: LC50>100mg/l

Species: Oncorhynchus mykiss

Duration of exposure: 96h

OECD Guideline 203 (Fish, Acute Toxicity Test)

NOEC>100mg/l

Species: Oncorhynchus mykiss

Duration of exposure: 96h

OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity: EC50= 6.6mg/l

Species: Daphnia magna

Duration of exposure: 48h

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

NOEC=1.8mg/l

Species Daphnia magna

Duration of exposure: 48h

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity: ECr50>5.6mg/l

Species: Pseudokirchnerella subcapitata

Duration of exposure: 72h

OECD Guideline 201 (Alga, Growth Inhibition Test)

NOEC=3.2mg/l

Species: Pseudokirchnerella subcapitata

Duration of exposure: 72h

OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability

After hydration (several hours or several days under humid conditions), the product is stable in soil and in water with negligible mobility of its components

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Bio accumulative potential

Not applicable

Mobility in soil

Not applicable

Other adverse effects

No data available.

Section 13: Disposal considerations

Waste treatment methods:

Do not pour into drains and water ways

Waste: Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Soiled packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport information

DOT:	not dangerous goods, no regulated for transports
IATA:	not dangerous goods
IMDG:	not dangerous goods
Special precautions for user:	no data available

Section 15: Regulatory information

US Federal regulations

CEMENT, ALUMINA, CHEMICALS (CAS: 65997-16-2)

Not object to reporting requirements of the United States SARA Section 313

TSCA list: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

International regulations

CEMENT, ALUMINA, CHEMICALS (CAS: 65997-16-2)

Canada: listed on the Canadian DSL (Domestic Substance List)

WHIMIS Regulations: none

EU-regulations

Listed on the EEC Inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation EC No. 1272/2008

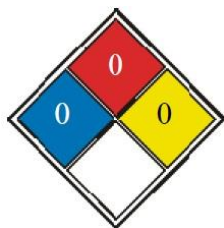
Not classified

National regulations

Listed in the EPA (Environment Protection Agency)

Not listed in Right to Know (RTK) lists

Standardized American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704): NFPA 704 labeling: Health=0 Inflammability=0 Instability/Reactivity=0 Specific risk=none



US State regulations

CEMENT, ALUMINA, CHEMICALS (CAS: 65997-16-2)

U.S. – California – Proposition 65 – Other information: unlisted

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Section 16: Other information

Notice to reader

The information contained in this Safety Data Sheet is based on our level of knowledge at the time of its preparation. Our most current Sales Terms & Conditions shall apply. Please consult the technical data sheet for the appropriate products, and current guide specifications and application instructions, prior to any use and processing.

The terms of this Safety Data Sheet do not create, or infer, any warranty, express or implied, including by incorporation into, or reference in, any seller's documents or sales agreement.

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Section 1: Identification

Product Identifier (Name) Cem-Kote™ Flex CR Component B

Relevant identified uses of the chemical and restriction on use

The “Relevant” use identified is provided solely to conform to Governmental requirements, and is not included in the manufacturer's published data and specifications. The complete information on identified uses is not available now, and the Safety Data Sheet (“SDS”) will be updated, as it becomes available.

Details of the supplier of the safety data sheet

Manufacturer Gemite Products Inc.
1787 Drew Road, Mississauga, Ontario, L5S 1J5, Canada
Telephone (905) 672-2020
Emergency telephone number 905 672 2020
Other means of identification
Chemical family Acrylic latex

Section 2: Hazard(s) identification

2. Hazards identification

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

See Section 11 for more detailed information on health effects and symptoms.

Section 3: Composition/information on ingredients

Hazardous ingredients

All ingredients are non-hazardous within the current knowledge of the supplier and in the concentrations applicable.

Section 4: First-aid measures

Description of First Aid measures

If inhaled: Move to fresh air.

In case of skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open while rinsing.

If swallowed: Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: No known significant effects or hazards.

See Section 11 for more detailed information on health effects and symptoms.

Protection of first-aiders: No hazards which require special first aid measures.

Notes to physician: Treat symptomatically.

Section 5: Fire-fighting measures

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific extinguishing methods: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.

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Section 6: Accidental release measures

Environmental precautions: Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up: Wipe up with absorbent material (e.g. cloth, fleece).

Keep in suitable, closed containers for disposal

Section 7: Handling and storage

Advice on safe handling: For personal protection see section 8. No special handling advice required. Follow standard hygiene measures when handling chemical products.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. MUST NOT FREEZE
Store in accordance with local regulations.

Materials to avoid: no data available

Section 8: Exposure controls/personal protection

Contains no substances with occupational exposure limit values.

Engineering measures: Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal protective equipment

Respiratory protection: Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection

Remarks: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Skin and body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Hygiene measures: Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

Section 9: Physical and chemical properties

Appearance:	liquid
Color:	white or colored when tinted
Odor:	acrylic like
Odor Threshold:	no data available
Flash point:	not applicable
Ignition temperature:	not applicable
Decomposition temperature:	no data available
Lower explosion limit (Vol%):	no data available
Upper explosion limit (Vol%):	no data available
Flammability (solid, gas):	not applicable
Oxidizing properties:	no data available
Autoignition temperature:	not applicable
pH:	ca. 7-8 at 73 °F (23 °C)
Melting point/range:	not applicable
Freezing point:	0 °C
Boiling point/boiling range:	no data available

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Vapor pressure:	no data available
Density at 73 °F (23 °C)	ca.1.02 g/cm ³
Viscosity, dynamic:	no data available
Viscosity, kinematic:	no data available
Relative vapor density:	no data available
Evaporation rate:	no data available
Burning rate:	not applicable
Volatile organic compounds, (VOC) content:	0 g/l A+B Combined

Section 10: Stability and reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical stability:	The product is chemically stable.
Possibility of hazardous reactions:	Stable under recommended storage conditions.
Conditions to avoid:	Freezing
Incompatible materials:	no data available

Section 11: Toxicological information

Acute toxicity:	
Acute oral toxicity:	no data available
Acute inhalation toxicity:	no data available
Acute dermal toxicity:	no data available
Skin corrosion/irritation:	no data available
Serious eye damage/eye irritation:	no data available
Respiratory or skin sensitization:	no data available
Germ cell mutagenicity	
Mutagenicity:	no data available
Carcinogenicity:	no data available
IARC:	not applicable
NTP:	not applicable
Reproductive Toxicity/Fertility:	no data available
Reproductive Toxicity/Development:	teratogenicity: no data available
STOT-single exposure:	no data available
STOT-repeated exposure:	no data available
Aspiration toxicity:	no data available

Section 12: Ecological information

Other information	Do not empty into drains; dispose of this material and paper bag in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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Section 13: Disposal considerations

Waste from residues: Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport information

DOT:	not dangerous goods
IATA:	not dangerous goods
IMDG:	not dangerous goods
Special precautions for user:	no data available

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Section 15: Regulatory information

TSCA list: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

EPCRA: Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.

SARA304 Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: No SARA hazards

SARA 313: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

Clean Air Act

Ozone-Depletion

Potential

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Clean Water Act: This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Section 16: Other information

HMIS Classification

Health	<input type="text" value="1"/>
Flammability	<input type="text" value="1"/>
Physical Hazard	<input type="text" value="0"/>
Personal Protection	<input checked="" type="checkbox"/>

Caution: HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards; significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, we choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

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